

INTEGRATED ELECTRONIC RF SHIELDING APPARATUS FOR AN MRI MAGNET

Abstract

An integrated electronic system housing and magnet structure (12) for an imaging system (10) includes a housing (40) and a radio frequency shield (46). The housing (40) is coupled to the magnet structure (13) and contains imaging system support electronics (42). The radio frequency shield (46) is coupled to the housing (40) and prevents radio frequency interference of a radio frequency receiver coil (30) from the imaging system support electronics (42).